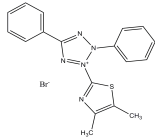


**PRODUCT: MTT Reagent****ALTERNATE NAME:** (3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide)**CATALOG #:** 2809-1G, 5G**AMOUNT:** 1 g, 5 x 1 g**STRUCTURE:****MOLECULAR FORMULA:** C<sub>18</sub>H<sub>16</sub>BrN<sub>5</sub>S**MOLECULAR WEIGHT:** 414.32**CAS NUMBER:** 298-93-1**APPEARANCE:** Yellow to dark yellow solid**SOLUBILITY:** H<sub>2</sub>O (>10 mg/ml)**PURITY:** ≥97% by HPLC**STORAGE:** Store at -20 °C. Protect from light and moisture**DESCRIPTION:** MTT is a tetrazolium salt used for determining cell viability. MTT produces a yellowish solution that is converted to dark blue, water-insoluble MTT formazan by mitochondrial dehydrogenases of living cells. The formazan is then solubilized and its concentration determined by optical density.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

MTS Cell Proliferation Colorimetric Assay Kit (Cat. No. K300)

MTS Reagent (Cat. No. 2808)

MTT Reagent (Cat. No. 2809)

BrdU Cell Proliferation Assay Kit (Cat. No. K306)

EZViable™ Calcein AM Cell Viability Assay Kit (Cat. No. K305)

Quick Cell Proliferation Colorimetric Assay Kit (Cat. No. K301)

Quick Cell Proliferation Colorimetric Assay Kit Plus (Cat. No. K302)

VisionBlue™ Quick Cell Viability Fluorometric Assay Kit (Cat. No. K303)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**